

## Certifications

**WBENC:** 237019

**HUB:** 1752439743100-86536

**DBE:** VN 20657

**NCTRCA** WFWB38444Y0909

## NELAP Certifications

**Lubbock:** T104704219-08-TX  
LELAP-02003  
Kansas E-10317

**El Paso:** T104704221-08-TX  
LELAP-02002

**Midland:** T104704392-08-TX

## Analytical and Quality Control Report

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Report Date: October 7, 2008

Work Order: 8080828



Project Name: HELSTF GROUNDWATER  
Project Number: 65

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
170067	HLSF-0085-HMW-014-0808	water	2008-08-06	14:15	2008-08-06
170168	HLSF-0085-HMW-055-0808	water	2008-08-08	13:16	2008-08-08
170170	HLSF-0085-HMW-010-0808	water	2008-08-07	10:20	2008-08-07
170455	HLSF-0085-HMW-054-0808	water	2008-08-11	10:08	2008-08-11
170457	HLSF-0085-D RW-008-0808	water	2008-08-11	12:55	2008-08-11
170843	HLSF-0085-HMW-043-0808	water	2008-08-13	09:45	2008-08-13
170986	HLSF-0085-DRW-017-0808	water	2008-08-14	10:30	2008-08-14
171111	HLSF-0085-HMW-062-0808	water	2008-08-18	14:00	2008-08-18
171300	HLSF-0085-HMW-008-0808	water	2008-08-19	10:48	2008-08-19
171303	HLSF-0085-HMW-034-0808	water	2008-08-19	12:46	2008-08-19
171731	HLSF-0085-HMW-033-0808	water	2008-08-21	09:42	2008-08-21
171733	HLSF-0085-HMW-059-0808	water	2008-08-21	11:45	2008-08-21
171735	HLSF-0085-DRW-016-0808	water	2008-08-22	10:25	2008-08-22
172137	HLSF-0085-DRW-114-0808	water	2008-08-27	13:35	2008-08-27
172139	HLSF-0085-DRW-014-0808	water	2008-08-27	13:35	2008-08-27

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
172467	HLSF-0085-HMW-053-0808	water	2008-08-28	12:20	2008-08-28
172638	HLSF-0085-HMW-061-0908	water	2008-09-02	10:25	2008-09-02
172640	HLSF-0085-HMW-060-0908	water	2008-09-02	13:15	2008-09-02
172795	HLSF-0085-HMW-063-0908	water	2008-09-03	12:50	2008-09-03
172797	HLSF-0085-HMW-058-0908	water	2008-09-03	10:10	2008-09-05
172908	HLSF-0085-HMW-057-0908	water	2008-09-04	11:15	2008-09-04
172910	HLSF-0085-DRW-002-0908	water	2008-09-04	13:41	2008-09-04
173041	HLSF-0085-RB-001-0908	water	2008-09-08	15:30	2008-09-09
173043	HLSF-0085-HCF-003-0908	water	2008-09-08	12:00	2008-09-08
173045	HLSF-0085-HCF-103-0908	water	2008-09-08	12:00	2008-09-08

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 17 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.




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Dr. Blair Leftwich, Director

#### Standard Flags

**B** - The sample contains less than ten times the concentration found in the method blank.

## Case Narrative

Samples for project HELSTF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUND-  
WATER, HELSTF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUND-  
WATER, HELSTF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUNDWA-  
TER, HELSTF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUNDWATER,  
HELSTF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUNDWATER, HEL-  
STF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUNDWATER, HELSTF GROUNDWATER and HEL-  
STF GROUNDWATER were received by TraceAnalysis, Inc. on 2008-08-06, 2008-08-08, 2008-08-07, 2008-08-11, 2008-08-11,  
2008-08-13, 2008-08-14, 2008-08-18, 2008-08-19, 2008-08-19, 2008-08-21, 2008-08-21, 2008-08-22, 2008-08-27, 2008-08-27,  
2008-08-28, 2008-09-02, 2008-09-02, 2008-09-03, 2008-09-05, 2008-09-04, 2008-09-04, 2008-09-09, 2008-09-08 and 2008-09-08  
and assigned to work orders 8080828, 8081109, 8081110, 8081318, 8081319, 8081533, 8081820, 8082006, 8082103, 8082105,  
8082517, 8082518, 8082519, 8082824, 8082825, 8090219, 8090411, 8090412, 8090519, 8090520, 8090810, 8090811, 8091019,  
8091020 and 8091021 respectively. Samples for work order 8080828 were received intact without headspace and at a tem-  
perature of 4.0 deg. C.Samples for work order 8081109 were received intact without headspace and at a temperature of 4.0  
deg. C.Samples for work order 8081110 were received intact without headspace and at a temperature of 4.0 deg. C.Samples  
for work order 8081318 were received intact without headspace and at a temperature of 4.0 deg. C.Samples for work order  
8081319 were received intact without headspace and at a temperature of 4.0 deg. C.Samples for work order 8081533 were  
received intact without headspace and at a temperature of 4.0 deg. C.Samples for work order 8081820 were received intact  
without headspace and at a temperature of 4.0 deg. C.Samples for work order 8082006 were received intact without headspace  
and at a temperature of 4.0 deg. C.Samples for work order 8082103 were received intact without headspace and at a tem-  
perature of 4.0 deg. C.Samples for work order 8082105 were received intact without headspace and at a temperature of 4.0  
deg. C.Samples for work order 8082517 were received intact without headspace and at a temperature of 4.0 deg. C.Samples  
for work order 8082518 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order  
8082519 were received intact without headspace and at a temperature of 4.0 deg. C.Samples for work order 8082824 were  
received intact without headspace and at a temperature of 4.0 dec C.Samples for work order 8082825 were received intact  
without headspace and at a temperature of 4.0 dec C.Samples for work order 8090219 were received intact without headspace  
and at a temperature of 4.0 deg. C.Samples for work order 8090411 were received intact without headspace and at a temper-  
ature of 4.0 deg. C.Samples for work order 8090412 were received intact without headspace and at a temperature of 4.0 deg.  
C.Samples for work order 8090519 were received intact without headspace and at a temperature of 4.0 dec C.Samples for work  
order 8090520 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 8090810  
were received intact without headspace and at a temperature of 4.0 dec C.Samples for work order 8090811 were received  
intact without headspace and at a temperature of 4.0 dec C.Samples for work order 8091019 were received intact without  
headspace and at a temperature of 4.0 deg. C.Samples for work order 8091020 were received intact without headspace and  
at a temperature of 4.0 deg. C.Samples for work order 8091021 were received intact without headspace and at a temperature  
of 4.0 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Conductivity	E 120.1
Conductivity	SM 2510B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for

work orders 8080828, 8081109, 8081110, 8081318, 8081319, 8081533, 8081820, 8082006, 8082103, 8082105, 8082517, 8082518, 8082519, 8082824, 8082825, 8090219, 8090411, 8090412, 8090519, 8090520, 8090810, 8090811, 8091019, 8091020 and 8091021 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

## Analytical Report

### Sample: 170067 - HLSF-0085-HMW-014-0808

Laboratory:	El Paso		
Analysis:	Conductivity	Analytical Method:	E 120.1
QC Batch:	51524	Date Analyzed:	2008-08-11
Prep Batch:	44184	Sample Preparation:	2008-08-11
		Prep Method:	N/A
		Analyzed By:	MD
		Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		<b>36200</b>	uMHOS/cm	1	0.00

### Sample: 170168 - HLSF-0085-HMW-055-0808

Laboratory:	El Paso		
Analysis:	Conductivity	Analytical Method:	E 120.1
QC Batch:	51524	Date Analyzed:	2008-08-11
Prep Batch:	44184	Sample Preparation:	2008-08-11
		Prep Method:	N/A
		Analyzed By:	MD
		Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		<b>16400</b>	uMHOS/cm	1	0.00

### Sample: 170170 - HLSF-0085-HMW-010-0808

Laboratory:	El Paso		
Analysis:	Conductivity	Analytical Method:	E 120.1
QC Batch:	51524	Date Analyzed:	2008-08-11
Prep Batch:	44184	Sample Preparation:	2008-08-11
		Prep Method:	N/A
		Analyzed By:	MD
		Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		<b>20300</b>	uMHOS/cm	1	0.00

### Sample: 170455 - HLSF-0085-HMW-054-0808

Laboratory:	El Paso		
Analysis:	Conductivity	Analytical Method:	E 120.1
QC Batch:	51528	Date Analyzed:	2008-08-14
Prep Batch:	44186	Sample Preparation:	2008-08-14
		Prep Method:	N/A
		Analyzed By:	MD
		Prepared By:	JG

*continued . . .*

*sample 170455 continued ...*

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		<b>14200</b>	uMHOS/cm	1	0.00

**Sample: 170457 - HLSF-0085-D RW-008-0808**

Laboratory: El Paso  
Analysis: Conductivity      Analytical Method: E 120.1      Prep Method: N/A  
QC Batch: 51528      Date Analyzed: 2008-08-14      Analyzed By: MD  
Prep Batch: 44186      Sample Preparation: 2008-08-14      Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		<b>12600</b>	uMHOS/cm	1	0.00

**Sample: 170843 - HLSF-0085-HMW-043-0808**

Laboratory: El Paso  
Analysis: Conductivity      Analytical Method: E 120.1      Prep Method: N/A  
QC Batch: 51528      Date Analyzed: 2008-08-14      Analyzed By: MD  
Prep Batch: 44186      Sample Preparation: 2008-08-14      Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		<b>6800</b>	uMHOS/cm	1	0.00

**Sample: 170986 - HLSF-0085-DRW-017-0808**

Laboratory: El Paso  
Analysis: Conductivity      Analytical Method: E 120.1      Prep Method: N/A  
QC Batch: 51713      Date Analyzed: 2008-08-20      Analyzed By: MD  
Prep Batch: 44340      Sample Preparation: 2008-08-20      Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		<b>13500</b>	uMHOS/cm	1	0.00

**Sample: 171111 - HLSF-0085-HMW-062-0808**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 51713 Date Analyzed: 2008-08-20 Analyzed By: MD  
Prep Batch: 44340 Sample Preparation: 2008-08-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		<b>13700</b>	uMHOS/cm	1	0.00

**Sample: 171300 - HLSF-0085-HMW-008-0808**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 51713 Date Analyzed: 2008-08-20 Analyzed By: MD  
Prep Batch: 44340 Sample Preparation: 2008-08-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		<b>13600</b>	uMHOS/cm	1	0.00

**Sample: 171303 - HLSF-0085-HMW-034-0808**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 51713 Date Analyzed: 2008-08-20 Analyzed By: MD  
Prep Batch: 44340 Sample Preparation: 2008-08-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		<b>12000</b>	uMHOS/cm	1	0.00

**Sample: 171731 - HLSF-0085-HMW-033-0808**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 51835 Date Analyzed: 2008-08-25 Analyzed By: MD  
Prep Batch: 44453 Sample Preparation: 2008-08-25 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		<b>30700</b>	uMHOS/cm	1	0.00

**Sample: 171733 - HLSF-0085-HMW-059-0808**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 51835 Date Analyzed: 2008-08-25 Analyzed By: MD  
Prep Batch: 44453 Sample Preparation: 2008-08-25 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		12600	uMHOS/cm	1	0.00

**Sample: 171735 - HLSF-0085-DRW-016-0808**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 51835 Date Analyzed: 2008-08-25 Analyzed By: MD  
Prep Batch: 44453 Sample Preparation: 2008-08-25 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		16000	uMHOS/cm	1	0.00

**Sample: 172137 - HLSF-0085-DRW-114-0808**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A  
QC Batch: 52113 Date Analyzed: 2008-08-28 Analyzed By: MD  
Prep Batch: 44679 Sample Preparation: 2008-08-28 Prepared By: JT

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		20700	uMHOS/cm	1	0.00

**Sample: 172139 - HLSF-0085-DRW-014-0808**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: SM 2510B Prep Method: N/A  
QC Batch: 52113 Date Analyzed: 2008-08-28 Analyzed By: MD  
Prep Batch: 44679 Sample Preparation: 2008-08-28 Prepared By: JT

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		20600	uMHOS/cm	1	0.00

**Sample: 172467 - HLSF-0085-HMW-053-0808**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 52441 Date Analyzed: 2008-09-10 Analyzed By: MD  
Prep Batch: 44954 Sample Preparation: 2008-09-10 Prepared By: JR

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Specific Conductance		44600	uMHOS/cm	1	0.00

**Sample: 172638 - HLSF-0085-HMW-061-0908**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 52441 Date Analyzed: 2008-09-10 Analyzed By: MD  
Prep Batch: 44954 Sample Preparation: 2008-09-10 Prepared By: JR

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Specific Conductance		18900	uMHOS/cm	1	0.00

**Sample: 172640 - HLSF-0085-HMW-060-0908**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 52441 Date Analyzed: 2008-09-10 Analyzed By: MD  
Prep Batch: 44954 Sample Preparation: 2008-09-10 Prepared By: JR

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Specific Conductance		13200	uMHOS/cm	1	0.00

**Sample: 172795 - HLSF-0085-HMW-063-0908**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 52442 Date Analyzed: 2008-09-10 Analyzed By: MD  
Prep Batch: 44955 Sample Preparation: 2008-09-10 Prepared By: JR

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Specific Conductance		12300	uMHOS/cm	1	0.00

**Sample: 172797 - HLSF-0085-HMW-058-0908**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 52442 Date Analyzed: 2008-09-10 Analyzed By: MD  
Prep Batch: 44955 Sample Preparation: 2008-09-10 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		17100	uMHOS/cm	1	0.00

**Sample: 172908 - HLSF-0085-HMW-057-0908**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 52442 Date Analyzed: 2008-09-10 Analyzed By: MD  
Prep Batch: 44955 Sample Preparation: 2008-09-10 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		15300	uMHOS/cm	1	0.00

**Sample: 172910 - HLSF-0085-DRW-002-0908**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 52442 Date Analyzed: 2008-09-10 Analyzed By: MD  
Prep Batch: 44955 Sample Preparation: 2008-09-10 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		9460	uMHOS/cm	1	0.00

**Sample: 173041 - HLSF-0085-RB-001-0908**

Laboratory: El Paso  
Analysis: Conductivity Analytical Method: E 120.1 Prep Method: N/A  
QC Batch: 52442 Date Analyzed: 2008-09-10 Analyzed By: MD  
Prep Batch: 44955 Sample Preparation: 2008-09-10 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		63.4	uMHOS/cm	1	0.00

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**Sample: 173043 - HLSF-0085-HCF-003-0908**

Laboratory:	El Paso		
Analysis:	Conductivity	Analytical Method:	E 120.1
QC Batch:	52442	Date Analyzed:	2008-09-10
Prep Batch:	44955	Sample Preparation:	2008-09-10
		Prep Method:	N/A
		Analyzed By:	MD
		Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		4720	uMHOS/cm	1	0.00

**Sample: 173045 - HLSF-0085-HCF-103-0908**

Laboratory:	El Paso		
Analysis:	Conductivity	Analytical Method:	E 120.1
QC Batch:	52442	Date Analyzed:	2008-09-10
Prep Batch:	44955	Sample Preparation:	2008-09-10
		Prep Method:	N/A
		Analyzed By:	MD
		Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		4600	uMHOS/cm	1	0.00

**Method Blank (1)**      QC Batch: 51524

QC Batch:	51524	Date Analyzed:	2008-08-11	Analyzed By:	MD
Prep Batch:	44184	QC Preparation:	2008-08-11	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

**Method Blank (1)**      QC Batch: 51528

QC Batch:	51528	Date Analyzed:	2008-08-14	Analyzed By:	MD
Prep Batch:	44186	QC Preparation:	2008-08-14	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

**Method Blank (1)**      QC Batch: 51713

QC Batch:    51713                      Date Analyzed:    2008-08-20                      Analyzed By:    MD  
Prep Batch:   44340                      QC Preparation:    2008-08-20                      Prepared By:    MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

**Method Blank (1)**      QC Batch: 51835

QC Batch:    51835                      Date Analyzed:    2008-08-25                      Analyzed By:    MD  
Prep Batch:   44453                      QC Preparation:    2008-08-25                      Prepared By:    MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

**Method Blank (1)**      QC Batch: 52113

QC Batch:    52113                      Date Analyzed:    2008-08-28                      Analyzed By:    MD  
Prep Batch:   44679                      QC Preparation:    2008-08-28                      Prepared By:    MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		<1.00	uMHOS/cm	

**Method Blank (1)**      QC Batch: 52441

QC Batch:    52441                      Date Analyzed:    2008-09-10                      Analyzed By:    MD  
Prep Batch:   44954                      QC Preparation:    2008-09-10                      Prepared By:    MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

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**Method Blank (1)**      QC Batch: 52442

QC Batch: 52442      Date Analyzed: 2008-09-10      Analyzed By: MD  
Prep Batch: 44955      QC Preparation: 2008-09-10      Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

**Duplicates (1)**      Duplicated Sample: 170067

QC Batch: 51524      Date Analyzed: 2008-08-11      Analyzed By: MD  
Prep Batch: 44184      QC Preparation: 2008-08-11      Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	37900	36200	uMHOS/cm	1	5	3

**Duplicates (1)**      Duplicated Sample: 170457

QC Batch: 51528      Date Analyzed: 2008-08-14      Analyzed By: MD  
Prep Batch: 44186      QC Preparation: 2008-08-14      Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	12900	12600	uMHOS/cm	1	2	3

**Duplicates (1)**      Duplicated Sample: 170986

QC Batch: 51713      Date Analyzed: 2008-08-20      Analyzed By: MD  
Prep Batch: 44340      QC Preparation: 2008-08-20      Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	13700	13500	uMHOS/cm	1	2	3

**Duplicates (1)**      Duplicated Sample: 171731

QC Batch: 51835      Date Analyzed: 2008-08-25      Analyzed By: MD  
Prep Batch: 44453      QC Preparation: 2008-08-25      Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	31300	30700	uMHOS/cm	1	2	3

**Duplicates (1)** Duplicated Sample: 172139

QC Batch: 52113 Date Analyzed: 2008-08-28 Analyzed By: MD  
Prep Batch: 44679 QC Preparation: 2008-08-28 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	20600	20600	uMHOS/cm	1	0	3

**Duplicates (1)** Duplicated Sample: 172797

QC Batch: 52442 Date Analyzed: 2008-09-10 Analyzed By: MD  
Prep Batch: 44955 QC Preparation: 2008-09-10 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	17500	17100	uMHOS/cm	1	2	3

**Standard (ICV-1)**

QC Batch: 51524 Date Analyzed: 2008-08-11 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	90 - 110	2008-08-11

**Standard (CCV-1)**

QC Batch: 51524 Date Analyzed: 2008-08-11 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-08-11

**Standard (ICV-1)**

QC Batch: 51528 Date Analyzed: 2008-08-14 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-08-14

**Standard (CCV-1)**

QC Batch: 51528 Date Analyzed: 2008-08-14 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-08-14

**Standard (ICV-1)**

QC Batch: 51713 Date Analyzed: 2008-08-20 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1390	98	90 - 110	2008-08-20

**Standard (CCV-1)**

QC Batch: 51713 Date Analyzed: 2008-08-20 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1390	98	90 - 110	2008-08-20

**Standard (ICV-1)**

QC Batch: 51835 Date Analyzed: 2008-08-25 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1440	102	90 - 110	2008-08-25

**Standard (CCV-1)**

QC Batch: 51835 Date Analyzed: 2008-08-25 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1400	99	90 - 110	2008-08-25

**Standard (ICV-1)**

QC Batch: 52113                      Date Analyzed: 2008-08-28                      Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	90 - 110	2008-08-28

**Standard (CCV-1)**

QC Batch: 52113                      Date Analyzed: 2008-08-28                      Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	90 - 110	2008-08-28

**Standard (ICV-1)**

QC Batch: 52441                      Date Analyzed: 2008-09-10                      Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1440	102	90 - 110	2008-09-10

**Standard (CCV-1)**

QC Batch: 52441                      Date Analyzed: 2008-09-10                      Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	90 - 110	2008-09-10

**Standard (ICV-1)**

QC Batch: 52442                      Date Analyzed: 2008-09-10                      Analyzed By: MD

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Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1430	101	90 - 110	2008-09-10

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**Standard (CCV-1)**

QC Batch: 52442

Date Analyzed: 2008-09-10

Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-09-10

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